

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|---|--------------------|------------------|---------|------------------|
| S1 | 50033 | frequency near3 convert\$4 | US-PGPUB; USPAT | OR | ON | 2005/06/23 17:39 |
| S2 | 37397 | difference\$1 near3 frequenc\$3 | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:18 |
| S3 | 8687 | S1 and S2 | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:19 |
| S4 | 2597 | S2 with error\$1 | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:19 |
| S5 | 722 | S3 and S4 | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:20 |
| S6 | 131269 | reference\$1 near2 (frequency signal) | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:21 |
| S7 | 507 | S5 and S6 | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:22 |
| S8 | 35429 | pulse near3 train | US-PGPUB; USPAT | OR | ON | 2004/10/01 10:22 |
| S9 | 64 | S7 and S8 | US-PGPUB; USPAT | OR | ON | 2004/10/01 13:54 |
| S10 | 1136 | (frequency with convert\$4) same oscillator same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/01 13:55 |
| S11 | 240 | (frequency with convert\$4) same oscillator same (mix\$4 or multipl\$5) same (sampl\$4) same error | US-PGPUB; USPAT | OR | ON | 2004/10/01 13:56 |
| S12 | 3 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) same error | US-PGPUB; USPAT | OR | ON | 2004/10/01 14:07 |
| S13 | 3 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) same difference | US-PGPUB; USPAT | OR | ON | 2004/10/01 14:09 |
| S14 | 26 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/01 14:09 |
| S15 | 50033 | frequency near3 convert\$4 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S16 | 37397 | difference\$1 near3 frequenc\$3 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S17 | 8687 | S15 and S16 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S18 | 2597 | S16 with error\$1 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |

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| S19 | 722 | S17 and S18 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S20 | 131269 | reference\$1 near2 (frequency signal) | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S21 | 507 | S19 and S20 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S22 | 35429 | pulse near3 train | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S23 | 64 | S21 and S22 | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S24 | 1136 | (frequency with convert\$4) same oscillator same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S25 | 240 | (frequency with convert\$4) same oscillator same (mix\$4 or multipl\$5) same (sampl\$4) same error | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S26 | 3 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) same error | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S27 | 3 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) same difference | US-PGPUB; USPAT | OR | ON | 2004/10/04 08:55 |
| S28 | 26 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/07 16:23 |
| S29 | 26 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/04 11:08 |
| S30 | 26 | (frequency with convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5 or decimat\$3) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:13 |
| S31 | 12 | (frequency near3 convert\$4) same ((first and second) adj2 oscillator) same (mix\$4 or multipl\$5) same (sampl\$4) | US-PGPUB; USPAT | OR | ON | 2004/10/04 12:33 |
| S32 | 0 | ((frequency near 3convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (375/326) (375/295) (375/347)) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:13 |

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| S33 | 64 | ((frequency near3 convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (375/326) (375/295) (375/347)) | US-PGPUB; USPAT | OR | ON | 2004/10/07 16:27 |
| S34 | 207 | nielson.in. | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:41 |
| S35 | 1597 | S34 and rf if | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:35 |
| S36 | 3 | S34 and (rf if) | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:41 |
| S37 | 3145 | nielsen.in. | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:41 |
| S38 | 95 | S37 and (rf if) | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:41 |
| S39 | 37 | S38 and convert\$ | US-PGPUB; USPAT | OR | ON | 2004/10/13 12:41 |
| S40 | 0 | ((frequency near 3convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/49) (455/73) (455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (348/725) (348/735) (375/316) (375/326) (375/295) (375/344) (375/347)) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:19 |
| S41 | 98 | ((frequency near3 convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/49) (455/73) (455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (348/725) (348/735) (375/316) (375/326) (375/295) (375/344) (375/347) (370/308)) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:28 |
| S42 | 63 | S41 and (pulse train generator) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:29 |
| S43 | 1 | S41 and (pulse near1 train near1 generator) | US-PGPUB; USPAT | OR | ON | 2004/10/15 11:29 |
| S44 | 10 | S41 and (digital near1 (tv television)) | US-PGPUB; USPAT | OR | ON | 2004/10/18 14:20 |

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| S45 | 98 | ((frequency near3 convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/49) (455/73) (455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (348/725) (348/735) (375/316) (375/326) (375/295) (375/344) (375/347) (370/308)) | US-PGPUB; USPAT | OR | ON | 2004/10/21 11:49 |
| S46 | 5 | S45 and dds and compar\$4 and (comb generat\$3) | US-PGPUB; USPAT | OR | ON | 2004/10/18 13:51 |
| S47 | 1 | S45 and (dds same compar\$4 same (comb generat\$3)) | US-PGPUB; USPAT | OR | ON | 2004/10/18 13:53 |
| S48 | 1 | S45 and (dds same compar\$4 and (comb generat\$3)) | US-PGPUB; USPAT | OR | ON | 2004/10/18 13:53 |
| S49 | 2 | S45 and (dds and compar\$4 same (comb generat\$3)) | US-PGPUB; USPAT | OR | ON | 2004/10/18 13:53 |
| S50 | 3 | S45 and (digital near1 (tv television)) and OFDM | US-PGPUB; USPAT | OR | ON | 2004/10/18 14:20 |
| S51 | 2822 | "45" and (up near1 convert\$) | US-PGPUB; USPAT | OR | ON | 2004/10/21 11:49 |
| S52 | 98 | ((frequency near3 convert\$4) same (oscillator) same (mix\$4 or multipl\$5) same (sampl\$4)) and ((455/49) (455/73) (455/75) (455/76) (455/91) (455/118) (455/119) (455/161) (455/164) (455/182) (455/192) (348/725) (348/735) (375/316) (375/326) (375/295) (375/344) (375/347) (370/308)) | US-PGPUB; USPAT | OR | ON | 2004/10/21 11:49 |
| S53 | 23 | S52 and (up near1 convert\$) | US-PGPUB; USPAT | OR | ON | 2004/10/21 11:49 |
| S54 | 101338 | frequency near3 (convert converting converter converted) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 11:01 |
| S55 | 9326 | S54 and ((first second two one) near4 oscillator) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 11:02 |
| S56 | 3805 | S55 and (frequency near3 (difference offset)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 11:03 |
| S57 | 2794 | S56 and (mixing mix mixed mixer mixes) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 11:42 |

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| S58 | 1276 | S57 and (sample sampling sampler sampled) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 11:44 |
| S59 | 18 | S58 and ((external synthesized) near2 (reference adj2 signal)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 17:38 |
| S60 | 1245618 | transmitter transmit | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 17:38 |
| S61 | 2239908 | transmitter transmit transmitting transmitted | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 17:39 |
| S62 | 6150 | S61 and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/23 17:39 |
| S63 | 1223 | S62 and (frequency near3 convert\$4) | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:00 |
| S64 | 2239908 | transmitter transmit transmitting transmitted | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/24 10:00 |
| S65 | 6150 | S64 and ofdm | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/24 10:49 |
| S66 | 1223 | S65 and (frequency near3 convert\$4) | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:50 |
| S67 | 54 | S66 and (RF near4 (up near2 (convert converter))) | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:50 |
| S69 | 18 | S67 and @ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:51 |
| S70 | 0 | S64 and (ofdm near9 if) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/24 10:49 |
| S71 | 92 | S64 and (ofdm near9 (intermediate adj2 frequency)) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/06/24 10:50 |
| S72 | 73 | S71 and (frequency near3 convert\$4) | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:50 |
| S73 | 1 | S72 and (RF near4 (up near2 (convert converter))) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:38 |

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| S74 | 6 | S72 and ((up near2 (convert converter))) | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:51 |
| S75 | 1 | S74 and @ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:56 |
| S76 | 37 | S72 and @ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/06/24 10:56 |
| S77 | 840 | (RF near4 (up near2 (convert converter))) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:44 |
| S78 | 551 | S77 and transmitter | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:39 |
| S79 | 13 | S78 and ((synthesizer synthesize) and converter and (shift shifter) and (reference near5 (generator generate)) and (sampler mixer)) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:43 |
| S80 | 13 | S79 and ad<="20000703" | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:41 |
| S81 | 13 | S79 and ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:41 |
| S82 | 3 | S79 and @ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:44 |
| S83 | 15 | S77 and ((synthesizer synthesize) and converter and (shift shifter) and (reference near5 (generator generate)) and (sampler mixer)) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:43 |
| S84 | 4 | S83 and @ad<="20000706" | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:44 |
| S85 | 694221 | (up near2 (convert converter)) (convert converter) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:44 |
| S86 | 42151 | S85 near3 (frequency (radio adj2 frequency) "rf") | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:50 |
| S87 | 566 | S86 same ((synthesizer synthesize) and (sampler mixer)) | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:52 |
| S88 | 37 | S87 and OFDM | US-PGPUB; USPAT | OR | ON | 2005/07/07 10:53 |
| S89 | 13 | S88 and @ad<="20000706" | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2005/07/07 10:54 |